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ENVIRONMENTAL
CONSULTANTS
An Employee Owned Company

February 1, 2008

Ms. Beverly Adamo
Livermore Amador Valley Transit Authority
1362 Rutan Drive, Suite 100
Livermore, California 94551

RE: Phase II Subsurface Investigation Report
1362 Rutan Drive, Livermore, California
ACC Project Number: 2052-001.00

Dear Ms. Adamo:

Please find the enclosed two copies of the Phase II Subsurface Investigation Report for 1362 Rutan Drive, Livermore, California. This subsurface investigation work was conducted to: 1) characterize soil and groundwater in the immediate vicinity of a former remote waste oil fill for suspect concentrations of constituents of concern; 2) obtain necessary data to assess the approximate degree and extent of the waste oil release; and 3) address concerns of the Alameda County Health Cares Services Agency (ACHCSA) as the lead regulatory agency.

Observed soil conditions were consistent in the area of investigation. No waste oil impacts were reported in any of the analyzed soil samples and ACC did not observe any field indications of petroleum hydrocarbon impact in the continuously-cored soil borings. Groundwater was encountered at 28 feet bgs and a grab sample reported 130 micrograms per liter diesel-range hydrocarbons. A review of the laboratory chromatogram indicates the reported hydrocarbons in groundwater are not dissolved diesel fuel. We are recommending that ACHCSA close the case with no further action.

If you have any questions regarding the report, please contact me at (510) 638-8400, ext. 109 or via email at ddement@accenv.com.

Sincerely,

David R. DeMent, PG, REA II
Senior Geologist

/krb:drd

Enclosures

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ENVIRONMENTAL
CONSULTANTS
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PHASE II SUBSURFACE INVESTIGATION REPORT

1362 Rutan Drive
Livermore, California

ACC Project Number: 2052-001.00

Prepared for:

Ms. Beverly Adamo
Livermore Amador Valley Transit Authority
1362 Rutan Drive, Suite 100
Livermore, California 94551

February 1, 2008

Prepared by: _____

Ken Blume
Environmental Coordinator

Reviewed by: _____

David R. DeMent, PG, REA II
Division Manager / Senior Geologist

TABLE OF CONTENTS

PHASE II SUBSURFACE INVESTIGATION REPORT
1362 Rutan Drive
Livermore, California

1.0 INTRODUCTION

Following receipt of the February 9, 2007 *Remote Waste Oil Drain Removal Sampling Report* prepared by Gettler-Ryan Inc. for LAVTA, ACHCSA prepared a letter dated September 14, 2007 summarizing its technical comments and requesting a Work Plan to perform additional subsurface investigation in the vicinity of the remote waste oil drain.

In its September 14, 2007 comment letter, ACHCSA requested: 1) additional information about the suspect waste oil release; 2) additional information about the excavation and disposal of excavated soil; 3) additional data regarding the extent of suspect petroleum hydrocarbon contamination in soil; and 4) additional data regarding the potential that groundwater has been impacted.

2.0 BACKGROUND

The Site is located at 1362 Rutan Drive, Livermore, California (Figure 1). LAVTA vehicles are maintained at this facility. In December 2006, Gettler-Ryan Inc. removed one remote waste oil drain and associated piping (Photographs 1 and 2), removed approximately 1.0 cubic yard of soil, collected four excavation sidewall or bottom soil samples, and collected one 4-point stockpiled soil sample. Soil samples were analyzed for suspect constituents of concern as total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tert amyl methyl ether (TAME), tert-butanol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (1,2-DBA), total oil and grease (TOG), semi-volatile organic compounds (SVOCs), and five leaking underground fuel tank metals (5 LUFT metals). The stockpile composite soil sample was analyzed for TPHg, TPHd, BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2-DCA, 1,2-DBA, TOG, SVOCs, 5 LUFT metals, volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs).

Soil sample analytical results reported relatively minor concentrations of TPHd-range petroleum hydrocarbons and TOG in soil samples EXB-1-5, SW-1-3, and SW-2-2.5. Elevated concentrations of TPHd-range petroleum hydrocarbons and TOG were reported in soil sample SW-3-2.5. No significant TPHg, BTEX, fuel oxygenates as MTBE, DIPE, ETBE, TAME, TBA, scavengers as 1,2-DCA, 1,2-DBA, SVOCs, VOCs, PCBs, or 5 LUFT metals were reported in the sidewall or bottom soil samples or in the stockpiled soil composite sample.

The primary release appears to have occurred at the point the plastic flexible piping joined the galvanized piping shown in Photograph 2. This location would be almost immediately above the location of soil sample EXB-1-5 (collected at 5 feet bgs) and next to the location of soil sample SW-3-2.5 (collected at 2.5 feet bgs). As shown in Photographs 1 and 2 (Appendix 1), the excavation area shown in Figure 2 comprises the small concrete berm area shown in Photograph 1 and the piping and cleanout shown in Photograph 2 which is under the plywood sheet shown in front of the concrete berm area shown in Photograph 1. Based on the location of the former piping cleanout, soil sample SW-1-3

was collected 1.0 foot west of the cleanout, soil sample SW-2-2.5 was collected 1.2 feet south of the cleanout, and soil sample SW-3-2.5 was collected 1.0 foot east of the cleanout.

Based on discussion with onsite personnel, the remote waste oil drain was formerly located within the "excavation area" depicted on Figure 2 and all equipment associated with the former remote waste oil drain was removed. Immediately adjacent to the "excavation area" is a floor drain cleanout piped to a vent line leading up to the ceiling. This vent line appears to be approximately 6 inches below the concrete slab or approximately at the same depth as the plastic flexible piping that joined the galvanized piping and is the source of the waste oil release. Based on observations in the cleanouts, the vent piping is currently sitting in compacted engineered fill that underlies the reinforced concrete slab. Therefore, there is no apparent preferential migration along the vent line, and proposed soil borings located between soil sample SW-3-2.5 and the vent line can further characterize soil in this direction. No other utilities or preferential pathways at depth are located in proximity to the "excavation area."

Gettler-Ryan Inc. collected soil samples on December 18, 2006 and removed the former remote waste soil drain and excavated the reported one cubic yard of soil the week of December 11, 2006. No equipment was reinstalled and the excavation was restored with engineered sand fill and covered with concrete (Photographs 3 and 4).

LAVTA disposed of the stockpiled soil. Proof of disposal is included in Appendix 2.

3.0 FIELD PROCEDURES

A soil boring permit was obtained from the Zone 7 Water Agency prior to performing field activities. A copy of the Soil Boring Permit is included as Appendix 3. The locations of the soil borings were marked with white paint, and Underground Service Alert was notified 48 hours prior to commencing work. On January 23, 2008, ACC advanced four exploratory soil borings (B1 through B4) at select representative locations designed to characterize soil conditions immediately adjacent to Gettler-Ryan soil sample SW-3-2.5 which reported elevated concentrations of petroleum hydrocarbons. Soil boring locations are illustrated on Figure 2.

Soil borings were continuously cored and advanced using a truck-mounted Geoprobe® sampling rig equipped with a four-foot long, hydraulically driven stainless steel sampling probe and 2-inch inside-diameter clear acetate liners. The sampling probe and rods were pre-cleaned prior to use and between sample drives by washing them with a trisodium phosphate and potable water solution and two potable water rinses. Upon removal from the sampler, each recovered soil core was visually inspected and logged. The sample intervals were primarily logged to determine soil type, estimate migration potential, and screen all encountered soils for field indications of petroleum hydrocarbon impact. Field indications include: characteristic petroleum hydrocarbon odor, soil discoloration, and elevated photoionization detector (PID) reading. ACC utilizes a ppbRAE PID calibrated to read in parts per billion in air and is suitable to differentiate low volatility hydrocarbons such as motor oil.

ACC's Professional Geologist performed the soil borings and sampling, and the subsurface materials in the soil borings were identified, classified and logged. Upon removal from the Geoprobe® sampler, each recovered soil sample was visually inspected and logged. Soil samples were logged and classified during drilling operations according to the Unified Soil Classification System (USCS). Soil boring

lithologic logs are included in Appendix 4. Following drilling and sample collection, each soil boring location was abandoned with neat cement to the surface (2 to 3 inches).

Representative cored soil sample intervals were selected for analysis. Soil sample intervals were capped, labeled, and stored in a pre-chilled, insulated container to be transported following chain of custody protocol directly to TestAmerica-San Francisco, formerly STL-San Francisco, a state-certified analytical laboratory. Soil samples were analyzed for total extractable petroleum hydrocarbons (TEPH) as diesel- and motor oil-range organics by EPA Method 8015 and the groundwater sample was analyzed for TEPH, total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8260B, and volatile organic compounds (VOCs) by EPA Method 8260 (full list).

4.0 FINDINGS

4.1 Subsurface Conditions

The surface of the Site consisted of an 8-inch-thick concrete slab underlain by varying amounts of sand and gravel base material. Subsurface soils were consistent in each soil boring. Silt was encountered to the depth of approximately 12.5 feet bgs in soil boring B4, 9.0 feet bgs in soil boring B1, and from 5.0 to 9.0 feet bgs in soil borings B2 and B3. Borings B1 through B3 were terminated at 9.0 feet bgs. The encountered ML silts were brown to olive brown, medium stiff, uniform, very slightly plastic, and contained small amounts of disseminated sand. At approximately 12.5 feet bgs, the silts were underlain by approximately 10 feet of GM silty gravels. The encountered gravels consisted of yellow brown to olive brown fine to medium grain, angular to subangular GM gravels with disseminated non-plastic fines and medium to coarse grain sand, and were predominantly damp. At approximately 23 feet bgs, the gravels were underlain by approximately 4 feet of clay. The encountered clays consisted of uniform moist, olive, medium stiff to stiff CL silty clays with medium to high plasticity. At approximately 26.75 to 27.25 feet bgs, the clays graded into a sand. The encountered SP sand was olive, medium to coarse grain, well graded, with small amounts of disseminated fine grain gravel, and saturated.

Groundwater was encountered at approximately 27 feet bgs and rose approximately two feet in the soil boring annulus. Encountered water was turbid and did not display any odor or sheen.

Additional details are summarized in the soil boring logs included in Appendix 4.

4.2 Analytical Results

TEPH was the primary constituent of concern. TEPH concentrations were reported in five of the nine analyzed soil samples at concentrations ranging from 1.1 milligrams per kilogram (mg/kg) to 2.0 mg/kg. TEPH analytical results are summarized in Table 1.

A grab groundwater sample was collected in soil boring B4. The grab groundwater sample was analyzed for TEPH as diesel-range and motor oil-range petroleum hydrocarbons, TPHg/BTEX/MTBE, and VOCs. TEPH as diesel (TEPHd) was reported at 130 micrograms per Liter (µg/L), TEPH as motor oil (TEPHmo) was reported as nondetect (less than 890 µg/L), TPHg was reported as nondetect (less than 50 µg/L), BTEX was reported as nondetect (less than 1.0 to 2.0 µg/L), MTBE was reported as

nondetect (less than 10 µg/L), and VOCs were not reported above the reporting limit (typically 1.0 to 2.0 µg/L). Petroleum hydrocarbon analytical results are summarized in Table 2 and VOC analytical results are summarized in Table 3.

A copy of the analytical results and chain of custody record is included as Appendix 5.

TABLE 1 – SOIL TEPH ANALYTICAL RESULTS

Sample ID	Sample Depths (feet bgs)	TEPH-Diesel (mg/kg)	TEPH-Motor Oil (mg/kg)
B1-3.0	2.5-3.0	1.1	<50
B1-5.0	4.5-5.0	<1.0	<50
B1-8.0	7.5-8.0	<1.0	<50
B2-6.0	5.5-6.0	2.4	<50
B2-9.0	8.5-9.0	1.6	<50
B3-5.5	5.0-5.5	2.9	<50
B3-9.0	8.5-9.0	1.9	<50
B4-3.0	2.5-3.0	<1.0	<50
B4-8.0	7.5-8.0	<1.0	<50

Notes: mg/kg = milligrams per kilogram
< = Not detected above laboratory reporting limit

TABLE 2 - GROUNDWATER TPH ANALYTICAL RESULTS

Well Number	TEPHd (µg/L)	TEPHmo (µg/L)	MTBE (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
B4-W	130	<890	<10	<50	<1.0	<1.0	<0.50	<2.0

Notes: µg/L micrograms per liter (approximately equivalent to ppb)
ND Not detected above laboratory reporting limit
< Concentration is below the reporting limit of the lab

TABLE 3 – GROUNDWATER VOC ANALYTICAL RESULTS

Sample ID	Sample Depth (ft) bgs	VOCs (µg/L)
B4-W	28.0	<RL

Notes: All water results reported in micrograms per Liter (µg/L)
< Sample result less than the laboratory minimum detection limit indicated

5.0 DISCUSSION

Focused site investigation was performed specifically to characterize soil and groundwater in the vicinity of the former remote waste oil fill piping and Gettler-Ryan soil sample SW-3-2.5. This excavation sidewall soil sample reported elevated petroleum hydrocarbons and ACHCSA requested characterization of suspect subsurface petroleum hydrocarbon impacts in soil and groundwater. Soil boring B-4 was advanced first to groundwater to log soils and minimize the potential of incidental impact to groundwater by driving the sample probe through potentially impacted soil. Soil borings B1 through B3 were then advanced at selected locations adjacent to the former remote waste oil fill piping based on the Work Plan and observations made in the field. The first attempt at soil boring B3 resulted in refusal at 2 feet for unknown reasons so soil boring B3 was located next to the excavation (Figure 2).

Sand backfill materials were encountered in soil borings B2 and B3 to 5 feet bgs indicating that Gettler-Ryan excavated soil beyond the saw cut dimensions evident in the repaired concrete. Since soil sample SW-3-2.5 was reportedly collected in the sidewall immediately beneath the concrete saw cut, approximately 7 to 9 inches of additional soil beyond soil sample SW-3-2.5 was likely removed during excavation work. This would be consistent with the lack of field indications of petroleum hydrocarbon impact reported in continuously-cored soil borings B2 and B3 and the lack of TEPH reported in soil samples B2-6.0 and B3-5.5.

The low concentrations of diesel-range petroleum hydrocarbons reported in several soil samples are indicative of naturally-occurring hydrocarbons as evidenced by the relatively low concentrations and variation in depth. Due to the analytical result of 130 µg/L TEPHd reported in the grab groundwater sample, ACC ordered the sample chromatograms and asked for TestAmerica to comment on the pattern. Sample #004 is the magnified pattern of sample B4-W and Sample #10 is the chromatogram pattern of the laboratory's diesel standard. Copies of the chromatograms are included in Appendix 6. As shown in the chromatograms, the sample pattern is primarily composed of several distinct peaks and does not resemble the diesel standard pattern in any way. TestAmerica commented that while the constituents in groundwater had to be reported as diesel-range hydrocarbons, they do not appear to be diesel. No other gasoline or VOC constituents were reported in the grab groundwater sample.

During sampling activities, ACC did not note any field indications of impact in soil such as characteristic odor, soil discoloration, a "greasy" feel between gloved fingers, or elevated PID readings. Similarly, groundwater did not display any odor, sheen, or discoloration in the silts that settled from the turbid groundwater in the sample containers.

6.0 CONCLUSIONS

Based on subsurface investigation findings, representative soil sample analytical results, and field observations, ACC concludes the following:

- The February 9, 2007 Gettler-Ryan report omitted a number of details that would have facilitated regulatory review including the fact that more soil was excavated and removed than was reported during the remote oil fill removal work including impacted soil around Gettler-Ryan sidewall soil sample SW-3-2.5;

- The approximate 1 cubic yard of excavated soil was containerized and reportedly disposed through Evergreen Environmental;

- Fine-grained soils present at the Site to a depth of 12.5 feet hinder or prevent vertical petroleum hydrocarbon migration in the subsurface;

- Soil logging and screening and representative soil sample analyses indicate that petroleum hydrocarbon impacts in soil were localized to soil sample SW-3-2.5 and no TEPH-impacted soil was identified during this investigation;

- Grab groundwater analyses indicates that unknown constituents exist in groundwater that were reported as diesel-range hydrocarbons but chromatogram analysis demonstrates that the unknown constituents do not resemble diesel; and

- No further investigation at the Site is warranted in regards to the remote waste oil fill release.

7.0 RECOMMENDATIONS

Based on its investigation findings, ACC recommends:

- Submitting a copy of this report to the ACHCSA for review;

- Uploading a copy of this report to the ACHCSA FTP website; and

- Formerly requesting that ACHCSA close the case as a soils only issue with no further action.

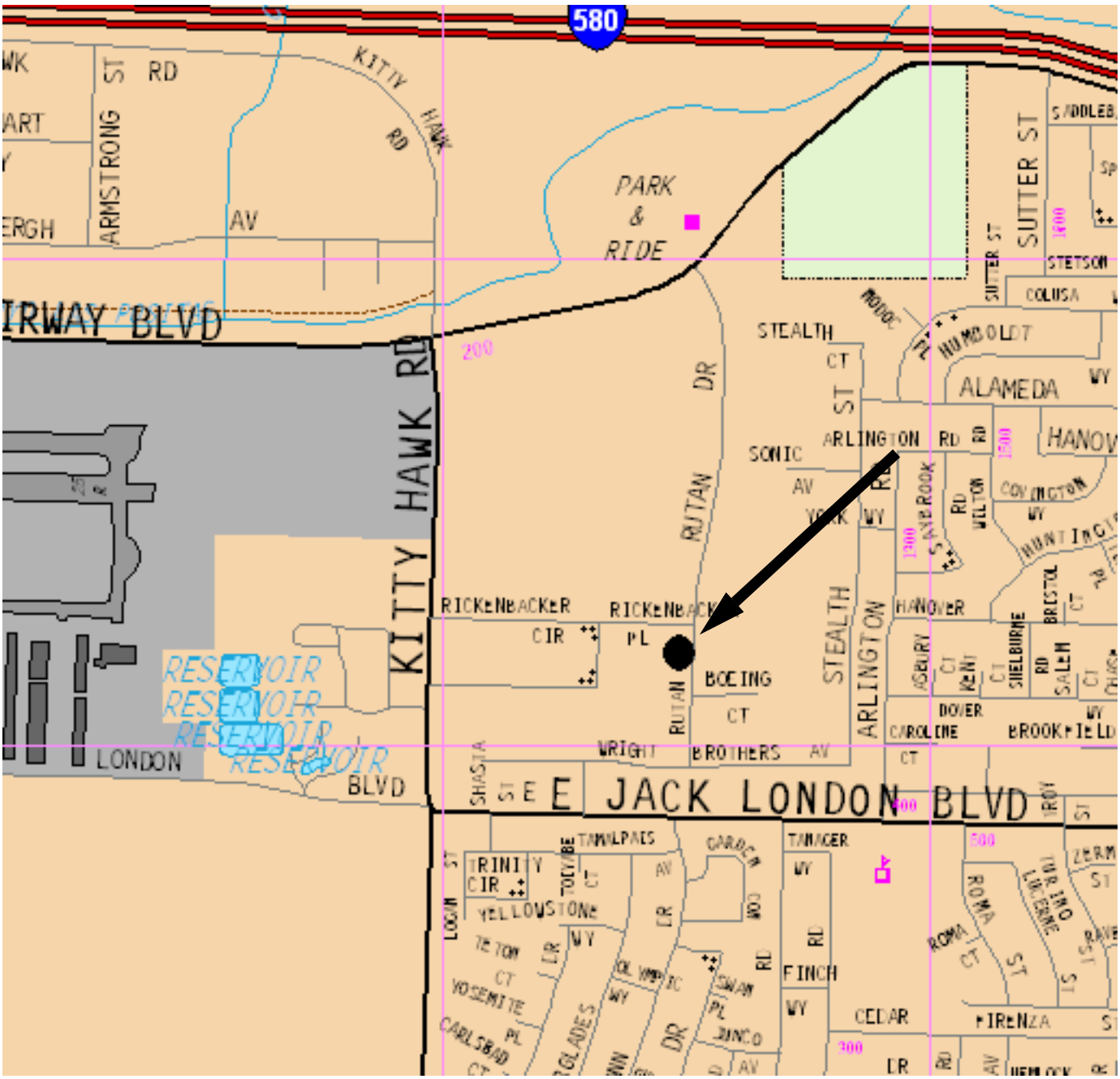
8.0 LIMITATIONS

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.

FIGURES



Source: The Thomas Guide, Bay Area Metro

Title: ***Location Map*** ***1362 Rutan Drive*** ***Livermore, California***	
Figure Number: 1	Scale: None
Project Number: 2052-001.00	Drawn By: KRB
	Date: 11/26/07

A·C·C ENVIRONMENTAL CONSULTANTS
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

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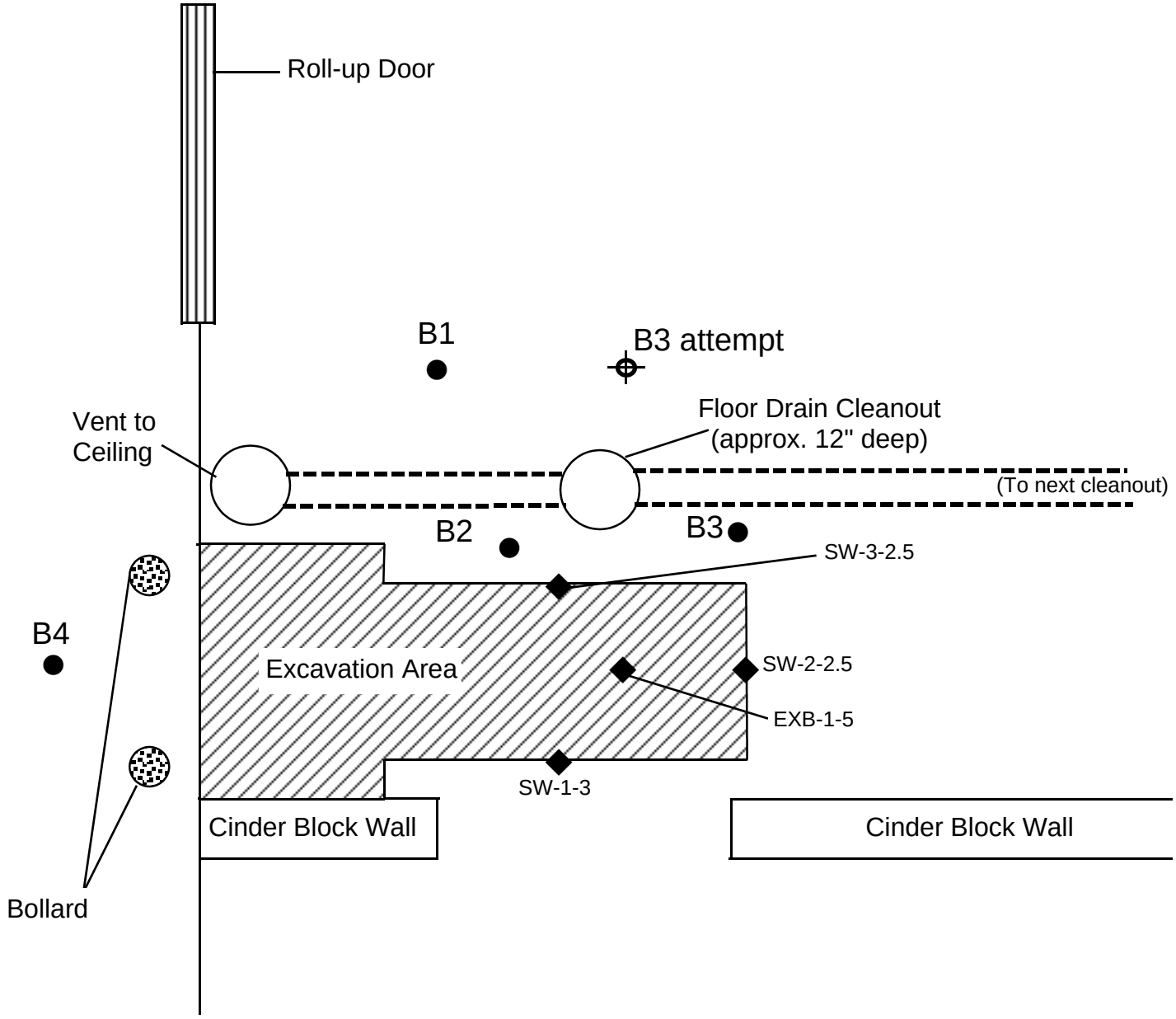

LEGEND

SW-1-3 ◆ Gettler-Ryan Soil Sampling Location

B1 ● ACC Soil Boring Location

0' 1' 2' 3'

Source: Gettler-Ryan, Inc. map dated 01/11/07

Title: ***Site Plan***
1362 Rutan Drive
Livermore, California

Figure Number: 2	Scale: 1" = 2'
Project Number: 2052-001.00	Drawn By: KRB
	Date: 1/31/08

A·C·C ENVIRONMENTAL CONSULTANTS
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

N E S W

APPENDIX 1

PHOTOGRAPHS

Photograph 1: Original Remote Waste Oil Drain

Photograph 2: Piping Cleanout to Remote Waste Oil Drain

Project: LAVTA Facility 1362 Rutan Drive, Livermore, California	Project Number: 2052-001.00 Date of Photos: Unknown	A·C·C ENVIRONMENTAL CONSULTANTS

Photograph 3: Restored Former Remote Waste Oil Drain Area Looking West

Photograph 4: Restored Former Waste Oil Drain Looking North

Project: LAVTA Facility 1362 Rutan Drive, Livermore, California	Project Number: 2052-001.00 Date of Photos: 10/29/07	A·C·C ENVIRONMENTAL CONSULTANTS

APPENDIX 2

WORK ORDER/SERVICE AGREEMENT

Evergreen Environmental Services

dedicated to the protection of the environment

№ 380497

To schedule a pickup, call
800-596-9455

6880 Smith Ave., Newark, CA EPA# CAD982413262
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Send payment to:
Evergreen Oil, Inc.
P.O. BOX 30517
Los Angeles, CA 90030-0517

Sales Order # 56

Date: 4-10-07

GENERATOR/JOB LOCATION	BILLING INFORMATION	
NAME M.V. Transportation	NAME Same	CASH ☐ CHECK ☐ #
ADDRESS 362 Rutan CT. Ste 106	ADDRESS	CUSTOMER CODE NO. MVT0744
CITY Livermore STATE CA ZIP 94550 CO.	CITY STATE ZIP CO.	PO # MVT44040759
PHONE NO. (925-455-7524	PHONE NO. ( ) PROFILE NO.	CUSTOMER EPA ID NO. CAL000255104

PRODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous Lubricating	CA221			Gal.		
Waste, Liquid Industrial	CA221			Gal.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste Liquid	CA134			Gal.		
RQ Waste Combustible Liquid, N.O.S. NA 1993 III (Oil contaminated with halogens)	CA221 F001/F002			Gal.		
Oil & Water, Non-RCRA Hazardous Waste Liquid	CA221			Gal.		
Waste Solids and Sludges				Gal.		
Wash Out				Each		
Drained Used Oil Filters			1	Drum		45 00
Non-RCRA Hazardous Waste Solids (oily debris)	CA223	002583942	5	Drum	150 00	750 00
Empty Drums				Drum		
Transportation				Hrs.		
Non-Hazardous Waste Disposal Fee			1	Each		110 00
Glycol Bulk 50/50				Gal.		
Glycol Bulk Conc.				Gal.		
TEST: ☐ Clor D Tech 4000 ____ ppm ☐ Clor D Tech 1000 ☐ Pass ☐ Fail ☐ Halogen Detector/Flame Test ☐ Pass ☐ Fail						905 00
Field Service Work Description:						Total Charges
Other:						
Other:						
Vacuum Services Time						
Out of Yard ____ On Site ____ Off Site ____ Off Load Start ____ Off Load End ____ Return to Yard ____						

TSDF

☐ **Consolidated Manifest**

- ☒ Evergreen Oil, Inc. 6880 Smith Ave. Newark, CA 94560 CAD980887418
- ☐ Evergreen Env. Svc. Road 30B Davis, CA 95616 CAD982446874
- ☐ Evergreen Env. Svc. 4139 N. Valentine Fresno, CA 93722 CAD982446882
- ☐ AJS Filter 15131 Clark Ave. Industry, CA 91745 CAD000097432
- ☐ _____
- ☐ Evergreen Env. Svc. 16604 S. San Pedro Carson, CA 90746 CAD981696420
- ☐ Evergreen Env. Svc. 745 A West Betteravia Santa Maria, CA 93454 CAD982446858
- ☐ CFR 944 E. Slauson Ave. Los Angeles, CA 90011 CAL000110021
- ☒ CFR 33210 Western Union City, CA 94587 CAL000091507
- ☐ Greenleaf Env. Svc. 3474 Toyon Circle Valley Springs, CA 95352 CAL000214411

Source: ☐ Collection Station ☐ Government ☐ Marine ☐ Agricultural ☐ Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain sample # _____

IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

Driver Signature _____ Print Name _____ Route # _____ Date 4-10-07

Generator's Signature _____ Print Name MARIO MARTINEZ Date _____

Invoice	INV0201854
Date	3/23/2007
Page	1
BOL#	380394

Evergreen Oil Inc.
2355 MAIN ST
SUITE 230
IRVINE CA 92614
Phone: (949) 757-7770
Fax: (949) 474-9149

Customer: MVT044

6170

Bill To:

MV TRANSPORTATION #44
1362 RUTAN CT STE 200
ATTN ACCTS PAYABLE
LIVERMORE CA 94550

Ship To:

MV TRANSPORTATION #44
1362 RUTAN CT STE 200
LIVERMORE CA 94550

Ship Via	P.O.Number	Salesperson	Payment Terms	Driver	Order Number	Route	Ship Date	Manifest No.
	MVT44030787	130	NET 30	AVRA	SH0085816	1	3/15/2007	-

Ordered	Shipped	B/O	Item Number	Description	Discount	Unit Price	Ext Price
4	4	0	SOLIDOD	NON-RCRA HAZARDOUS WASTE SOLIDS	$0.00	$150.00	$600.00
5	5	0	DRMSUPF	DRUM SET UP	$0.00	$45.00	$225.00
1	1	0	SWEEP	GREASE SWEEP	$0.00	$110.00	$110.00

Subtotal	$935.00
Misc	$0.00
Tax	$0.00
Freight	$0.00
Trade Discount	$0.00
Total	$935.00

Remit To: Evergreen Oil Inc
P O Box 30517
Los Angeles, CA 90030-0517

Evergreen Environmental Services

dedicated to the protection of the environment

WORK ORDER/SERVICE AGREEMENT

№ 380394

To schedule a pickup, call
800-596-9455

6880 Smith Ave., Newark, CA EPA# CAD982413262
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Send payment to:
Evergreen Oil, Inc.
P.O. BOX 30517
Los Angeles, CA 90030-0517

Sales Order # 516

Date 3-15-07

GENERATOR/JOB LOCATION

NAME M.V. Transportation
ADDRESS 1362 Rutan CT. Suite 106
CITY / STATE / ZIP / CO. Livermore, CA 94550
PHONE NO. (925-455-7524

BILLING INFORMATION

NAME Same
ADDRESS
CITY STATE ZIP CO.
PHONE NO. ( )
PROFILE NO.

CASH ☐ CHECK ☐ #
CUSTOMER CODE NO. MV2044
PO #
CUSTOMER EPA ID NO. CAL000235104

PRODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous Lubricating	CA221			Gal.		
Waste, Liquid Industrial	CA221			Gal.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste Liquid	CA134			Gal.		
RQ Waste Combustible Liquid, N.O.S. NA 1993 III (Oil contaminated with halogens)	CA221 F001/F002			Gal.		
Oil & Water, Non-RCRA Hazardous Waste Liquid	CA221			Gal.		
Waste Solids and Sludges				Gal.		
Wash Out				Each		
Drained Used Oil Filters				Drum		
Non-RCRA Hazardous Waste Solids (oily debris)	CA223		4	Drum	150.00	600.00
Empty Drums Setup			5	Drum	45.00	225.00
Transportation				Hrs.		
Non Hazardous Water				Gal.		
Absorbent Pads			1	Each		110.00
Glycol Bulk Conc.				Gal.		

TEST: ☐ Clor D Tech 4000 ____ ppm ☐ Clor D Tech 1000 ☐ Pass ☐ Fail ☐ Halogen Detector/Flame Test ☐ Pass ☐ Fail

935.00
Total Charges

Field Service Work Description:

Other:

Other:

Vacuum Services Time

Out of Yard ____ On Site ____ Off Site ____ Off Load Start ____ Off Load End ____ Return to Yard ____

TSDF ☐ **Consolidated Manifest**

☐ Evergreen Oil, Inc. 6880 Smith Ave. Newark, CA 94560 CAD980887418
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☒ 21 Century EMT 1095 Newlands Dr. East Fernley, NV 89408 NVD98 8385338
☐ Evergreen Env. Svc. 16604 S. San Pedro Carson, CA 90746 CAD981696420
☐ Evergreen Env. Svc. 745 A West Betteravia Santa Maria, CA 93454 CAD982446858
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☐ GreenEarth Env. Svc. 3474 Toyon Circle Valley Springs, CA 95352 CAL000214411

Source: ☐ Collection Station ☐ Government ☐ Marine ☐ Agricultural ☐ Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain sample # ____

IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

[signature] 3-15-07 [signature]

Driver Signature / Print Name / Route # / Date / Generator's Signature / Print Name / Date

Invoice	INV0208396
Date	4/18/2007
Page	1
BOL #	380497

vergreen Oil Inc.
355 MAIN ST
UITE 230
RVINE CA 92614
hone: (949) 757-7770
ax: (949) 474-9149

Customer: MVT044

Bill To:

MV TRANSPORTATION #44
1362 RUTAN CT STE 200
ATTN ACCTS PAYABLE
LIVERMORE CA 94550

Ship To:

MV TRANSPORTATION #44
1362 RUTAN CT STE 200
LIVERMORE CA 94550

Ship Via	P O Number	Salesperson	Payment Terms	Driver	Order Number	Route	Ship Date	Manifest No.
	MVT44040759	130	NET 30	AVRA	SH0088485	1	4/10/2007	002583942JJ

Ordered	Shipped	B/O	Item Number	Description	Discount	Unit Price	Ext. Price
1	1	0	FILTER	DRAINED USED OIL FILTERS	$0.00	$45.00	$45.00
5	5	0	SOLIDOD	NON-RCRA HAZARDOUS WASTE SOLIDS	$0.00	$150.00	$750.00
1	1	0	SOLIDMSC	ABSORBENT PADS	$0.00	$110.00	$110.00

Subtotal	$905.00
Misc	$0.00
Tax	$0.00
Freight	$0.00
Trade Discount	$0.00
Total	$905.00

Remit To: Evergreen Oil Inc
P O Box 30517
Los Angeles, CA 90030-0517

APPENDIX 3

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whorng@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1362 Rutan Drive
Livermore, CA

California Coordinates Source _____ ft. Accuracy _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name Livermore Amador Valley Transit Authority
Address 1362 Rutan Drive, Ste 100 Phone (925) 455-7563
City Livermore Zip 94551

APPLICANT
Name ACC Environmental Consultants
Email kblume@accenv.com Fax (510) 638-8404
Address 7977 Capwell Dr, Ste 100 Phone (510) 638-8400 x110
City Oakland Zip 94621

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other	☐

DRILLING COMPANY Environmental Control Associates
DRILLER'S LICENSE NO. C-57 # 695970

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 5 Maximum
Hole Diameter 2 in. Depth 24 ft.

ESTIMATED STARTING DATE 1/23/08
ESTIMATED COMPLETION DATE 1/23/08

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Kenneth Blume Date 1/4/08
Kenneth Blume

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 28004
WELL NUMBER _____
APN 099-1331-031-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

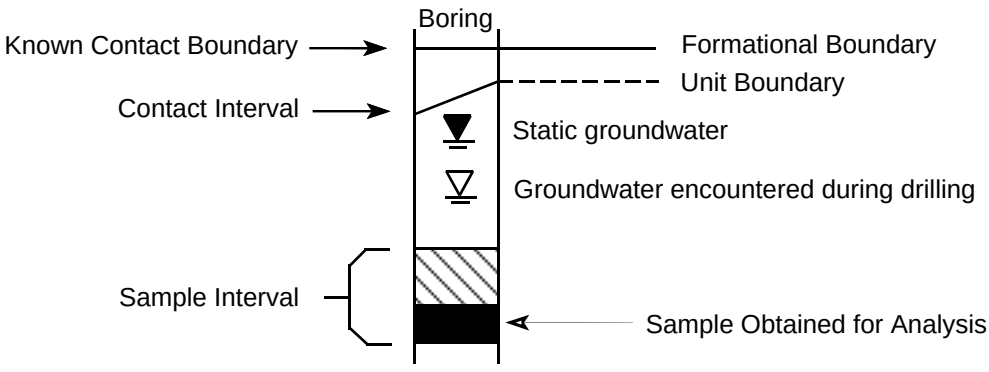
Approved Wyman Hong Date 1/10/08
Wyman Hong

APPENDIX 4

UNIFIED SOIL CLASSIFICATION SYSTEM

	MAJOR DIVISIONS				TYPICAL NAMES
COARSE GRAINED SOILS	GRAVELS more than half coarse fraction is larger than Number 4 sieve	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		well graded gravels, gravel-sand mixtures
			GP		poorly graded gravels, gravel-sand mixtures
		GRAVELS WITH OVER 12% FINES	GM		silty gravels, poorly graded gravel-sand silt mixtures
			GC		clayey gravels, poorly graded gravel-sand clay mixtures
	SANDS more than half coarse fraction is smaller than Number 4 sieve	CLEAN SANDS WITH LITTLE OR NO FINES	SW		well graded sands, gravelly sands
			SP		poorly graded sands, gravelly sands
		SANDS WITH OVER 12% FINES	SM		silty sands, poorly graded sand-silt mixtures
			SC		clayey sands, poorly graded sand-clay mixtures
FINE GRAINED SOILS	SILTS AND CLAYS liquid limit less than 50		ML		inorg. silts and very fine sands, rock flour silty or clayey sands, or clayey silts w/ sl. plasticity
			CL		inorg. clays of low-med plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL		organic clays and organic silty clays of low plasticity
	SILTS AND CLAYS liquid limit greater than 50		MH		inorganic silty, micaceous or diatomacious fine sandy or silty soils, elastic silts
			CH		inorganic clays of high plasticity, fat clays
			OH		organic clays of medium to high plasticity organic silts
	HIGHLY ORGANIC SOILS		PT		peat and other highly organic soils

Legend for Boring Logs



ACC Environmental Consultants, Inc.
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

Site: **SUBJECT SITE**
1362 Rutan Drive
Livermore, California

Project Number: **2052-001.00**

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	
					EQUIPMENT: Geoprobe Hydraulic Sampling Device OPERATED BY: Environmental Control Associates LOGGED BY: David DeMent, PG LOCATION: 1362 Rutan Drive, Livermore, CA WORK DATE: 01/23/08 BORING: B1
				0	Concrete Pavement (8") and baserock
10YR-3/3					Silt (ML), dark brown, medium stiff, uniform, v slightly plastic, some disseminated sand, damp, no odor or discoloration
	0.1	B1-3.0		2	
				4	Silt (ML), as above, grading to olive 3.5-5 feet
	0.3	B1-5.0			
				6	
5Y-4/4					Silt (ML), as above, olive, trace black organic matter, no odor or discoloration
	0.2	B1-8.0		8	
					TOTAL DEPTH OF BORING: 9.0 feet bgs
				10	
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC Environmental Consultants, Inc.
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510)638-8400 FAX: (510)638-8404

Project Number: 2052-001.00

Date: **01/23/08**

Title: **LOG OF BORING B1**

1362 Rutan Drive
Livermore, California

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	EQUIPMENT: Geoprobe Hydraulic Sampling Device OPERATED BY: Environmental Control Associates LOGGED BY: David DeMent, PG LOCATION: 1362 Rutan Drive, Livermore, CA WORK DATE: 01/23/08 BORING: B2
				0	Concrete Pavement (8") and baserock
	0.1			2	Sand Fill, uniform backfill material, no odor, or discoloration noted
				4	
	0.1	B2-6.0		6	Silt (ML), brown, medium stiff, uniform, slightly plastic, damp, no odor ordiscoloration
5Y-4/4	0.2	B2-9.0		8	Silt (ML), olive brown to brown, medium stiff, uniform, non-plastic, damp, no odor or discoloration
				10	**TOTAL DEPTH OF BORING: 9.0 feet bgs**
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC Environmental Consultants, Inc.
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510)638-8400 FAX: (510)638-8404

Project Number: 2052-001.00

Date: **01/23/08**

Title: **LOG OF BORING B2**

1362 Rutan Drive
Livermore, California

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	EQUIPMENT: Geoprobe Hydraulic Sampling Device OPERATED BY: Environmental Control Associates LOGGED BY: David DeMent, PG LOCATION: 1362 Rutan Drive, Livermore, CA WORK DATE: 01/23/08 BORING: B3
				0	Concrete Pavement (8") and baserock
	0			2	Sand Fill, uniform backfill material, no odor, or discoloration noted
				4	
10YR-5/3	0.1	B3-5.5		6	Silt (ML), brown, medium stiff, uniform, slightly plastic, some disseminated sand, damp, no odor ordiscoloration
5Y-4/4				8	Silt (ML), olive brown to brown, medium stiff, uniform, non-plastic, damp, no odor or discoloration
	0.2	B3-9.0		10	**TOTAL DEPTH OF BORING: 9.0 feet bgs**
				12	
				14	
				16	
				18	
				20	
				22	
				24	
				26	
				28	

ACC Environmental Consultants, Inc.
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510)638-8400 FAX: (510)638-8404

Project Number: 2052-001.00

Date: **01/23/08**

Title: **LOG OF BORING B3**

1362 Rutan Drive
Livermore, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: David DeMent, PG
LOCATION: 1362 Rutan Drive, Livermore, CA
WORK DATE: 01/23/08
BORING: B4

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	
				0	Concrete Pavement (8") and baserock
10YR-3/3				2	Silt (ML), dark brown, medium stiff, uniform, v slightly plastic, some disseminated sand, damp, no odor or discoloration
		B4-3.0			
	0.2			4	Silt (ML), as above, grading to olive brown
	0.1			6	
5Y-4/4					Silt (ML), olive brown with reddish brown mottling, medium stiff, uniform, non-plastic, damp, no odor or discoloration
	0.4	B4-8.0		8	
5Y-4/4 - 10YR-5/4				10	Silt (ML), olive to yellow brown, as above, 5-10% fine to medium grain gravel, angular to subangular
	0.1			12	
				14	Silty Gravel (GM), yellow brown, 20-30% non-plastic fines, 10-20% medium to coarse grain sand, angular to subangular gravel, medium dense to loose, damp, no odor or discoloration
	0.1			16	
					Silty Gravel (GM), as above, 10-20% non-plastic fines, poorly sorted mixture, medium estimated permeability, no odor or discoloration
				18	
	0.1			20	
					Silty Gravel (GM), as above, light olive green, approx. 33/33/33% mixture of fines, sand, and gravel, no odor or discoloration
				22	
5Y-6/3				24	Silty Clay (CL), olive, medium stiff to stiff, medium to high plasticity, uniform, moist, no odor or discoloration
					Silty Clay (CL), as above, moisture content increasing with depth
				26	
2.5Y-4/4				▽	Sand (SP), olive, medium to coarse, some disseminated fine grain gravel, trace fines, poorly sorted, saturated
				28	**TOTAL DEPTH OF BORING: 28.0 feet bgs**

ACC Environmental Consultants, Inc.
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510)638-8400 FAX: (510)638-8404

Project Number: 2052-001.00

Date: **01/23/08**

Title: **LOG OF BORING B1**

1362 Rutan Drive
Livermore, California

APPENDIX 5

ANALYTICAL REPORT

Job Number: 720-12739-1

Job Description: 1362 Rutan

For:
ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, CA 94621

Attention: Dave DeMent

Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
01/30/2008

cc: Ken Blume

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Job Narrative
720-J12739-1

Comments
No additional comments.

Receipt
Received 1 sample not on COC (soil). B1-5.0 @9:55. Added analysis for this sample per e-mail from Dave Dement on 1/24/08.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: B4-W (720-12739-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: Reporting Limit was raised due to sediment in the vial; not enough sample to run without dilution.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8015B: Concentrations reported represent individual or discrete peaks: 12739-1, 12739-3, 12739-4, 12739-6.

Method 8015B: Elevated reporting limit is provided for the following sample due to insufficient sample provided for preparation/analysis: 720-12739-9.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ACC Environmental Consultants Job Number: 720-12739-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-12739-1	**B1-3.0**				
Diesel Range Organics [C10-C28]		1.1	1.0	mg/Kg	8015B
720-12739-3	**B2-6.0**				
Diesel Range Organics [C10-C28]		2.4	1.0	mg/Kg	8015B
720-12739-4	**B2-9.0**				
Diesel Range Organics [C10-C28]		1.6	1.0	mg/Kg	8015B
720-12739-5	**B3-5.5**				
Diesel Range Organics [C10-C28]		2.9	1.0	mg/Kg	8015B
720-12739-6	**B3-9.0**				
Diesel Range Organics [C10-C28]		1.9	0.99	mg/Kg	8015B
720-12739-9	**B4-W**				
Diesel Range Organics [C10-C28]		130	89	ug/L	8015B

METHOD SUMMARY

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B	
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ACC Environmental Consultants Job Number: 720-12739-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-12739-1	B1-3.0	Solid	01/23/2008 0955	01/23/2008 1220
720-12739-2	B1-8.0	Solid	01/23/2008 1000	01/23/2008 1220
720-12739-3	B2-6.0	Solid	01/23/2008 1010	01/23/2008 1220
720-12739-4	B2-9.0	Solid	01/23/2008 1015	01/23/2008 1220
720-12739-5	B3-5.5	Solid	01/23/2008 1100	01/23/2008 1220
720-12739-6	B3-9.0	Solid	01/23/2008 1110	01/23/2008 1220
720-12739-7	B4-3.0	Solid	01/23/2008 0805	01/23/2008 1220
720-12739-8	B4-8.0	Solid	01/23/2008 0810	01/23/2008 1220
720-12739-9	B4-W	Water	01/23/2008 0900	01/23/2008 1220
720-12739-10	B1-5.0	Solid	01/23/2008 0955	01/23/2008 1220

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B4-W**

Lab Sample ID: 720-12739-9 | Date Sampled: 01/23/2008 0900
Client Matrix: Water | Date Received: 01/23/2008 1220

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31088 | Instrument ID: Saturn 2K3
Preparation: 5030B | Lab File ID: d:\data\200801\012408\SA-
Dilution: 2.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 01/24/2008 2013 | Final Weight/Volume: 40 mL
Date Prepared: 01/24/2008 2013

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		10
Acetone	ND		100
Benzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromobenzene	ND		2.0
Chlorobromomethane	ND		2.0
Bromoform	ND		2.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		100
n-Butylbenzene	ND		2.0
sec-Butylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		2.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		2.0
1,1-Dichloropropene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		2.0
Ethylene Dibromide	ND		1.0
Dibromomethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		2.0
2-Hexanone	ND		100
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		2.0
Methylene Chloride	ND		10

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B4-W**

Lab Sample ID: 720-12739-9 | Date Sampled: 01/23/2008 0900
Client Matrix: Water | Date Received: 01/23/2008 1220

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-31088 | Instrument ID: Saturn 2K3
Preparation: 5030B | Lab File ID: d:\data\200801\012408\SA-
Dilution: 2.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 01/24/2008 2013 | Final Weight/Volume: 40 mL
Date Prepared: 01/24/2008 2013

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		100
Naphthalene	ND		2.0
N-Propylbenzene	ND		2.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Tetrachloroethene	ND		1.0
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		2.0
1,2,4-Trichlorobenzene	ND		2.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		2.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl acetate	ND		100
Vinyl chloride	ND		1.0
Xylenes, Total	ND		2.0
2,2-Dichloropropane	ND		1.0

Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	112		71 - 139
1,2-Dichloroethane-d4 (Surr)	109		62 - 118
Toluene-d8 (Surr)	120	X	73 - 117

Client: ACC Environmental Consultants Job Number: 720-12739-1

Client Sample ID: B4-W

Lab Sample ID: 720-12739-9 Date Sampled: 01/23/2008 0900
Client Matrix: Water Date Received: 01/23/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-31115 Instrument ID: Saturn 2100
Preparation: 5030B Lab File ID: d:\data\200801\012508\sa-
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 01/25/2008 1416 Final Weight/Volume: 10 mL
Date Prepared: 01/25/2008 1416

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	103	77 - 121
1,2-Dichloroethane-d4 (Surr)	120	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B1-3.0**

Lab Sample ID: 720-12739-1
Client Matrix: Solid

Date Sampled: 01/23/2008 0955
Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 01/24/2008 1332
Date Prepared: 01/23/2008 0849

Analysis Batch: 720-31216
Prep Batch: 720-31007

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.1		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	83	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B1-8.0**

Lab Sample ID: 720-12739-2 | Date Sampled: 01/23/2008 1000
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.02 g
Date Analyzed: 01/24/2008 1359 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	83	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B2-6.0**

Lab Sample ID: 720-12739-3
Client Matrix: Solid

Date Sampled: 01/23/2008 1010
Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 01/24/2008 2111
Date Prepared: 01/23/2008 0849

Analysis Batch: 720-31216
Prep Batch: 720-31007

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.4		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	93	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: B2-9.0

Lab Sample ID: 720-12739-4 | Date Sampled: 01/23/2008 1015
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.11 g
Date Analyzed: 01/24/2008 2137 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.6		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	84	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B3-5.5**

Lab Sample ID: 720-12739-5 | Date Sampled: 01/23/2008 1100
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.02 g
Date Analyzed: 01/24/2008 2204 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.9		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	95	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: B3-9.0

Lab Sample ID: 720-12739-6 | Date Sampled: 01/23/2008 1110
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.18 g
Date Analyzed: 01/24/2008 2231 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.9		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	85	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B4-3.0**

Lab Sample ID: 720-12739-7 | Date Sampled: 01/23/2008 0805
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.07 g
Date Analyzed: 01/24/2008 2257 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	87	40 - 119

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B4-8.0**

Lab Sample ID: 720-12739-8 | Date Sampled: 01/23/2008 0810
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B | Analysis Batch: 720-31216 | Instrument ID: HP DRO5
Preparation: 3550B | Prep Batch: 720-31007 | Lab File ID: N/A
Dilution: 1.0 | Initial Weight/Volume: 30.12 g
Date Analyzed: 01/24/2008 2324 | Final Weight/Volume: 5 mL
Date Prepared: 01/23/2008 0849 | Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	89	40 - 119

Client: ACC Environmental Consultants Job Number: 720-12739-1

Client Sample ID: B4-W

Lab Sample ID: 720-12739-9
Client Matrix: Water

Date Sampled: 01/23/2008 0900
Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 01/24/2008 0940
Date Prepared: 01/23/2008 1749

Analysis Batch: 720-31244
Prep Batch: 720-31043

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 140 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		89
Motor Oil Range Organics [C24-C36]	ND		890

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	57	50 - 150

Client: ACC Environmental Consultants | Job Number: 720-12739-1

Client Sample ID: **B1-5.0**

Lab Sample ID: 720-12739-10 | Date Sampled: 01/23/2008 0955
Client Matrix: Solid | Date Received: 01/23/2008 1220

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 720-31290		Instrument ID:	Varian DRO4
Preparation:	3550B	Prep Batch: 720-31091		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Date Analyzed:	01/25/2008 1446			Final Weight/Volume:	5 mL
Date Prepared:	01/24/2008 1618			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
p-Terphenyl	77	40 - 119

DATA REPORTING QUALIFIERS

Client: ACC Environmental Consultants Job Number: 720-12739-1

Lab Section	Qualifier	Description
GC/MS VOA		
	X	Surrogate exceeds the control limits

Client: ACC Environmental Consultants Job Number: 720-12739-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-31088					
LCS 720-31088/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31088/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31088/3	Method Blank	T	Water	8260B	
720-12739-9	B4-W	T	Water	8260B	
Analysis Batch:720-31115					
LCS 720-31115/2	Lab Control Spike	T	Water	8260B	
LCSD 720-31115/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-31115/3	Method Blank	T	Water	8260B	
720-12739-9	B4-W	T	Water	8260B	
720-12739-9MS	Matrix Spike	T	Water	8260B	
720-12739-9MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

Client: ACC Environmental Consultants Job Number: 720-12739-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-31007					
LCS 720-31007/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-31007/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-31007/1-A	Method Blank	T	Solid	3550B	
720-12739-1	B1-3.0	T	Solid	3550B	
720-12739-2	B1-8.0	T	Solid	3550B	
720-12739-3	B2-6.0	T	Solid	3550B	
720-12739-4	B2-9.0	T	Solid	3550B	
720-12739-5	B3-5.5	T	Solid	3550B	
720-12739-6	B3-9.0	T	Solid	3550B	
720-12739-7	B4-3.0	T	Solid	3550B	
720-12739-8	B4-8.0	T	Solid	3550B	
Prep Batch: 720-31043					
LCS 720-31043/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-31043/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-31043/1-A	Method Blank	T	Water	3510C	
720-12739-9	B4-W	T	Water	3510C	
Prep Batch: 720-31091					
LCS 720-31091/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-31091/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-31091/1-A	Method Blank	T	Solid	3550B	
720-12739-10	B1-5.0	T	Solid	3550B	
720-12739-10MS	Matrix Spike	T	Solid	3550B	
720-12739-10MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-31215					
LCS 720-31007/2-A	Lab Control Spike	T	Solid	8015B	720-31007
LCSD 720-31007/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-31007
MB 720-31007/1-A	Method Blank	T	Solid	8015B	720-31007
Analysis Batch:720-31216					
720-12739-1	B1-3.0	T	Solid	8015B	720-31007
720-12739-2	B1-8.0	T	Solid	8015B	720-31007
720-12739-3	B2-6.0	T	Solid	8015B	720-31007
720-12739-4	B2-9.0	T	Solid	8015B	720-31007
720-12739-5	B3-5.5	T	Solid	8015B	720-31007
720-12739-6	B3-9.0	T	Solid	8015B	720-31007
720-12739-7	B4-3.0	T	Solid	8015B	720-31007
720-12739-8	B4-8.0	T	Solid	8015B	720-31007

Client: ACC Environmental Consultants Job Number: 720-12739-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-31244					
LCS 720-31043/2-A	Lab Control Spike	T	Water	8015B	720-31043
LCSD 720-31043/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-31043
MB 720-31043/1-A	Method Blank	T	Water	8015B	720-31043
720-12739-9	B4-W	T	Water	8015B	720-31043
Analysis Batch:720-31290					
LCS 720-31091/2-A	Lab Control Spike	T	Solid	8015B	720-31091
LCSD 720-31091/3-A	Lab Control Spike Duplicate	T	Solid	8015B	720-31091
MB 720-31091/1-A	Method Blank	T	Solid	8015B	720-31091
720-12739-10	B1-5.0	T	Solid	8015B	720-31091
720-12739-10MS	Matrix Spike	T	Solid	8015B	720-31091
720-12739-10MSD	Matrix Spike Duplicate	T	Solid	8015B	720-31091

Report Basis
T = Total

Client: ACC Environmental Consultants Job Number: 720-12739-1

Method Blank - Batch: 720-31088

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31088/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1116
Date Prepared: 01/24/2008 1116

Analysis Batch: 720-31088
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200801\012408\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants

Job Number: 720-12739-1

Method Blank - Batch: 720-31088

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31088/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1116
Date Prepared: 01/24/2008 1116

Analysis Batch: 720-31088
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200801\012408\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	104	62 - 118
Toluene-d8 (Surr)	112	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-12739-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31088

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31088/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1010
Date Prepared: 01/24/2008 1010

Analysis Batch: 720-31088
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200801\012408\LS·
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-31088/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1043
Date Prepared: 01/24/2008 1043

Analysis Batch: 720-31088
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200801\012408\LD-V
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	102	69 - 129	1	20		
Chlorobenzene	109	115	61 - 121	5	20		
1,1-Dichloroethene	104	104	65 - 125	0	20		
Toluene	104	104	70 - 130	0	20		
Trichloroethene	89	92	74 - 134	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	99	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	91	62 - 118
Toluene-d8 (Surr)	98	94	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-12739-1

Method Blank - Batch: 720-31115

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-31115/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/25/2008 0940
Date Prepared: 01/25/2008 0940

Analysis Batch: 720-31115
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200801\012508\mb
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	77 - 121
1,2-Dichloroethane-d4 (Surr)	119	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31115

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-31115/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/25/2008 1006
Date Prepared: 01/25/2008 1006

Analysis Batch: 720-31115
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200801\012508\ls-v
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-31115/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/25/2008 1033
Date Prepared: 01/25/2008 1033

Analysis Batch: 720-31115
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: d:\data\200801\012508\ld-wa
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	91	64 - 140	1	20		
Toluene	95	92	52 - 109	3	20		
Gasoline Range Organics (GRO)-C5-C12	60	62	40 - 145	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	104	104	77 - 121
1,2-Dichloroethane-d4 (Surr)	104	104	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-12739-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31115

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-12739-9	Analysis Batch:	720-31115	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d:\data\200801\012508\sa
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	01/25/2008 1629			Final Weight/Volume:	10 mL
Date Prepared:	01/25/2008 1629				

MSD Lab Sample ID:	720-12739-9	Analysis Batch:	720-31115	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d:\data\200801\012508\sa-
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	01/25/2008 1656			Final Weight/Volume:	10 mL
Date Prepared:	01/25/2008 1656				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	98	102	64 - 140	4	20		
Toluene	105	109	52 - 109	4	20		
Gasoline Range Organics (GRO)-C5-C12	78	76	40 - 145	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	103	103	77 - 121
1,2-Dichloroethane-d4 (Surr)	113	111	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31007

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-31007/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/23/2008 1435
Date Prepared: 01/23/2008 0849

Analysis Batch: 720-31215
Prep Batch: 720-31007
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		49

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	101	40 - 119

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31007

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31007/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/23/2008 1501
Date Prepared: 01/23/2008 0849

Analysis Batch: 720-31215
Prep Batch: 720-31007
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.38 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31007/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/23/2008 1634
Date Prepared: 01/23/2008 0849

Analysis Batch: 720-31215
Prep Batch: 720-31007
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.25 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	75	77	50 - 130	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	91	95	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-12739-1

Method Blank - Batch: 720-31043

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-31043/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1101
Date Prepared: 01/23/2008 1749

Analysis Batch: 720-31244
Prep Batch: 720-31043
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	100	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31043

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-31043/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1007
Date Prepared: 01/23/2008 1749

Analysis Batch: 720-31244
Prep Batch: 720-31043
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31043/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2008 1034
Date Prepared: 01/23/2008 1749

Analysis Batch: 720-31244
Prep Batch: 720-31043
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	89	88	50 - 130	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	97	96	50 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-31091

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 720-31091/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/25/2008 1234
Date Prepared: 01/24/2008 1618

Analysis Batch: 720-31290
Prep Batch: 720-31091
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	79	40 - 119

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-31091

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 720-31091/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/28/2008 1156
Date Prepared: 01/24/2008 1618

Analysis Batch: 720-31290
Prep Batch: 720-31091
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-31091/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/28/2008 1222
Date Prepared: 01/24/2008 1618

Analysis Batch: 720-31290
Prep Batch: 720-31091
Units: mg/Kg

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	67	70	50 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	89	98	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants

Job Number: 720-12739-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-31091

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	720-12739-10	Analysis Batch: 720-31290	Instrument ID: Varian DRO4
Client Matrix:	Solid	Prep Batch: 720-31091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.07 g
Date Analyzed:	01/28/2008 1248		Final Weight/Volume: 5 mL
Date Prepared:	01/24/2008 1618		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-12739-10	Analysis Batch: 720-31290	Instrument ID: Varian DRO4
Client Matrix:	Solid	Prep Batch: 720-31091	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 30.25 g
Date Analyzed:	01/28/2008 1314		Final Weight/Volume: 5 mL
Date Prepared:	01/24/2008 1618		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	61	68	50 - 130	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	77	93	40 - 119

Calculations are performed before rounding to avoid round-off errors in calculated results.

Brewer, Melissa

From: Dave Dement [ddement@accenv.com]
Sent: Thursday, January 24, 2008 8:34 AM
To: Brewer, Melissa
Subject: RE: Sample Login Confirmation for 720-12739: 1362 Rutan (Please see comment below)

Hello,

I meant to put sample B1-5.0 on the COC. Please run the sample for TEPH.
Thank you.

Please note that none of the soil samples exhibited any field indications of petroleum hydrocarbons.....no odor, PID reading, or discoloration. I expect very low concentrations, if any.

Dave DeMent
ACC

From: Brewer, Melissa [mailto:melissa.brewer@testamericainc.com]
Sent: Wednesday, January 23, 2008 4:36 PM
To: Dave DeMent; Ken Blume
Subject: Sample Login Confirmation for 720-12739: 1362 Rutan (Please see comment below)

***** We received 1 sample not on COC (soil). B1-5.0 @9:55. Logged on hold. *****

Please send me an e-mail to let me know if you will need this analyzed. Thanks.

Melissa Brewer
TestAmerica San Francisco
(925) 484-1919
melissa.brewer@testamericainc.com
www.testamericainc.com
THE LEADER IN ENVIRONMENTAL TESTING

Reference: [021902]
Attachments: 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-12739

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109142

Date 1/23/08 Page 1 of 1

01/30/2008

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Report To

Attn: Dave DeMent

Company: ACC Environmental

Address: Oakland CA

Phone: Email: ddement@Accenv.com

Bill To: Sampled By: DJD

Attn: Phone: (510) 638-8400

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8015/8021 ☐ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4				Number of Containers
B1-3.0	1/23/08	9:35	S				X																			1
B1-8.0		10:00					X																			1
B2-6.0		10:10					X																			1
B2-9.0		10:15					X																			1
B3-5.5		11:00					X																			1
B3-9.0		11:10					X																			1
B4-3.0		8:05					X																			1
B4-8.0		8:10	↓				X			Analyze			B4-8.0 DMD													1
B4-W	↓	9:00	W		X		X			X																9+1 Amber Liter PARTIAL

Project Info.

Project Name: 1362 RUTAN

Project#: 2052-001.00

PO#:

Credit Card#:

Sample Receipt

of Containers:

Head Space:

Temp: 6.1

Conforms to record:

TAT: 5 Day | 72h | 48h | 24h | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank

Fund EDF

Special Instructions / Comments: ☐ Global ID ___

Use B4-W VOA's with gray cap (unpreserved) As last resort

See Terms and Conditions on reverse

*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 12:20	Signature: Time:	Signature: Time:
Printed Name: David DeMent Date: 1/23/08	Printed Name: Date:	Printed Name: Date:
Company: ACC Environmental	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1220	Signature: Time:	Signature: Time:
Printed Name: Joan Mulley Date: 01-23-08	Printed Name: Date:	Printed Name: Date:
Company: TALS F	Company:	Company:

Rev 06/04

* No odor or indications of impact noted during sampling, expect ND results

Login Sample Receipt Check List

Client: ACC Environmental Consultants

Job Number: 720-12739-1

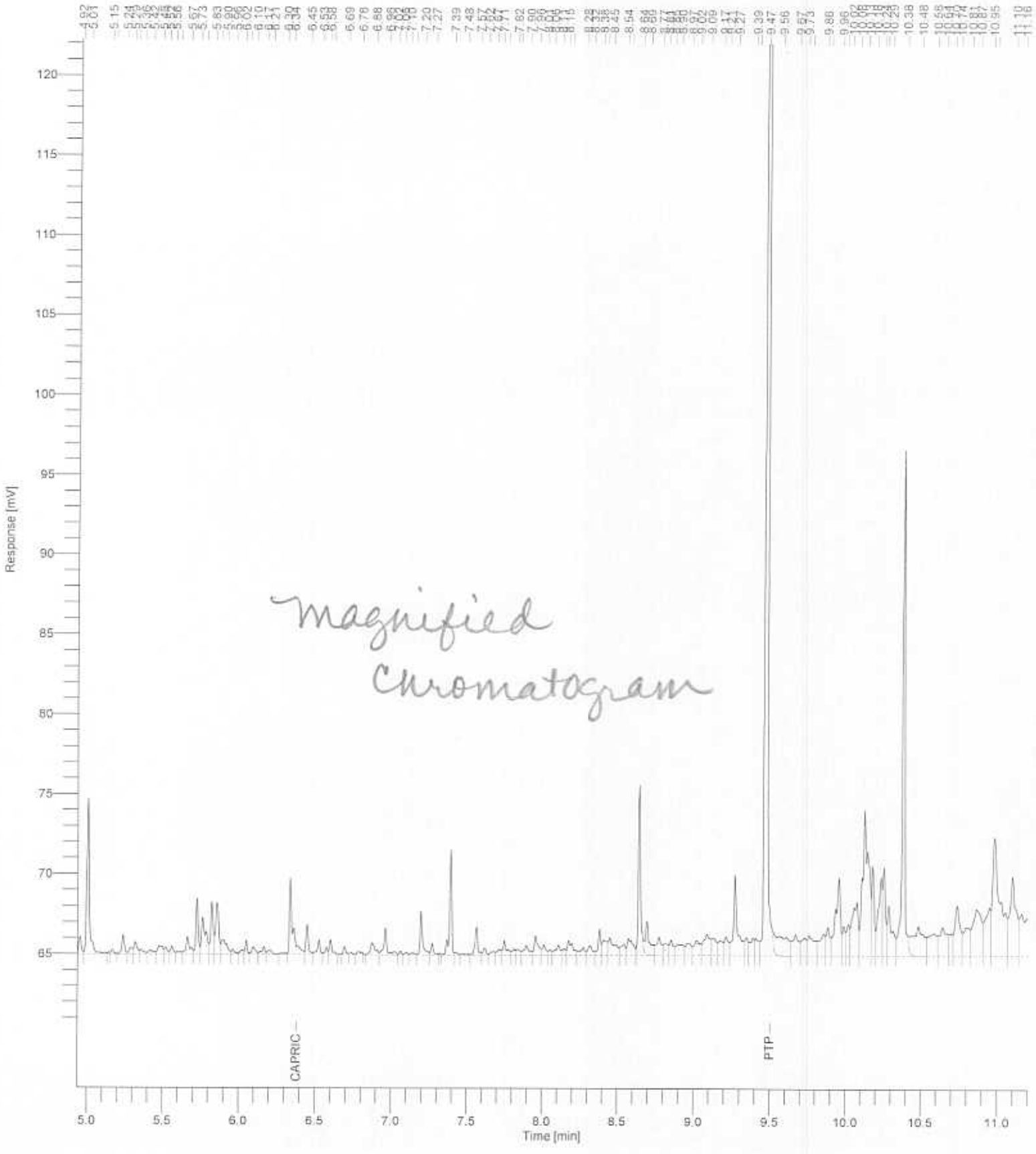
Login Number: 12739
List Source: TestAmerica San Francisco
Creator: Mullen, Joan
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	See Narrative
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX 6

Chromatogram

Sample Name : 720-12739-I-9-A Sample #: 004 Page 1 of 1
FileName : e:\drc5\0\20080124\5a0124007.raw
Date : 1/31/2008 3:27:22 PM
Method : Time of Injection: 1/24/2008 9:40:25 AM
Start Time : 4.94 min End Time : 11.20 min Low Point : 60.78 mV High Point : 122.20 mV
Plot Offset: 60.78 mV Plot Scale: 61.4 mV



Magnified Chromatogram

Chromatogram

Sample Name : diesel ccv 1000ppm
FileName : e:\dro5\0\20080124\5a0124005.raw
Date : 1/31/2008 3:27:37 PM
Method :
Start Time : 0.00 min
Plot Offset: 8.32 mV

Sample #: 010

Page 1 of 1

Time of Injection: 1/24/2008 8:46:22 AM
End Time : 19.70 min
Plot Scale: 1079.2 mV
Low Point : 8.32 mV
High Point : 1087.47 mV